

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**LOK SABHA**  
**UNSTARRED QUESTION No. 3172**  
TO BE ANSWERED ON 06.12.2019

**Rise in Sea Level**

3172. SHRI GAUTAM SIGAMAANI PON:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether the rising sea level is a serious concern especially for the coastal inhabitants, if so, the details thereof and the reasons therefor;
- (b) whether the Government has conducted any study/assessed the impact due to rising sea levels on various coastal towns in the country, if so, the details thereof;
- (c) whether the Government has taken any steps to protect coastal inhabitants from rising sea level by relocating the worst affected people and prevention of seashore erosion, if so, the details thereof;
- (d) whether the Government is providing any financial assistance to coastal States to construct sea walls and other remedies to protect the coastal areas; and
- (e) if so, the details of such assistances given to various States/UTs during the last five years; year-wise and State/UT wise?

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE**  
**(SHRI BABUL SUPRIYO)**

- (a) to (c) With the objective of assessment of impact of climate change on the coastal areas of the country, the National Centre for Coastal Research (NCCR), Ministry of Earth Sciences is carrying out work on developing a decision support system for climate change impact assessment on geographical areas and socio economic impact in the coastal areas.

A national strategy for coastal protection along with guidelines for coastal protection measures have been framed for all Coastal States and Union territories by the Ministry of Environment, Forest & Climate Change. The Ministry under the Integrated Coastal Zone Management Project (ICZMP) have demarcated the hazard line along the entire coastal belt of the country, including the inter-tidal areas. The hazard line is indicative of the shoreline changes, including the sea level rise due to climate change and is a projection of impact due to sea level rise, and shoreline changes over a long period of time viz. over 100 years. This line is required to be used by the Coastal State agencies concerned as a tool for Disaster Management for the coastal environment, including planning of adaptive and mitigation measures.

(d) to (e) The Ministry under the ICZMP prepared shoreline management plans for five (05) identified coastal stretches in Gujarat, Odisha and West Bengal. To protect the coastal areas from erosion, initiatives such as mangrove plantation of about 16000 ha, shelter-belt plantation of 1900 ha and installation of Geo-Tubes in 500 m have been taken up as representative activities.

The expenditure incurred in last five years for above noted activities is as follows:

**(Rs. in Cr.)**

<b>State</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>
Gujarat	7.99	0.15	0.16	0.40	0.41
Odisha	7.52	12.52	16.57	0.87	0.05
West Bengal	0.3	0.48	0.82	--	--

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